## State of West Virginia REGEIVED Department of Environmental Protection - Office of Oil and Gas of Oil and Gas Well Operator's Report of Well Work

MAR 1 3 2017

	Pad Name T	racy	_ Field/Pool Name Ma	· y
Farm name Tracy, Mary			Well Number _#4H	
	th the OOG) Stone Energy pont Dr Suite 201 City		State WV	
Top Landing Point of Bottom	o hole Northing 4,385,518 Curve Northing TBD - On Hole Northing TBD - On	ly Top Hole Drilled Ea	asting 520,386 asting TBD - Only Top Hole asting TBD - Only Top Hole	Drilled
Elevation (ft) 1101	GL Type of W	Vell ■New □ Existing	Type of Report	Interim Final
Permit Type   Deviate	ed 🗆 Horizontal 📕 Ho	orizontal 6A 🛛 Vertical	Depth Type	□ Deep ■ Shallow
Type of Operation   Con	vert 🗆 Deepen 🚪 Drill	□ Plug Back □ Red	Irilling   Rework	□ Stimulate
Well Type □ Brine Dispo	osal □ CBM ■ Gas □ Oil	□ Secondary Recovery □	Solution Mining   Stor	age □ Other
Production hole Air  Mud Type(s) and Additive	nole ■ Air □ Mud ■Fres □ Mud □ Fresh Water □ e(s) air, fresh water, soda ash,	Brine		■ Fresh Water □ Brine
	/10/2013 Date drilling	commenced 10/30/20	14 Date drilling ce	ased 11/6/2014
Date permit issued 12				
	began Not yet complete		tivities ceased	used
Date completion activities	ocguii	ranted	Granted by	
Date completion activities Verbal plugging (Y/N)	ocguii		Granted by	
Date completion activities  Verbal plugging (Y/N)  Please note: Operator is re	N Date permission grequired to submit a plugging a		Granted by `verbal permission to plu	
Oate completion activities Verbal plugging (Y/N) Please note: Operator is re Freshwater depth(s) ft	N Date permission grequired to submit a plugging a 120  None Reported	application within 5 days of	Granted by  verbal permission to plu depths	g N
Date completion activities Verbal plugging (Y/N)  Please note: Operator is re  Freshwater depth(s) ft  Salt water depth(s) ft  Coal depth(s) ft	Date permission grequired to submit a plugging a 120  None Reported 904	application within 5 days of Open mine(s) (Y/N)	Granted by  Verbal permission to pludepths I (Y/N) depths	g N
Freshwater depth(s) ft  Salt water depth(s) ft  Coal depth(s) ft  Is coal being mined in area	Date permission grequired to submit a plugging a 120  None Reported 904	opplication within 5 days of  Open mine(s) (Y/N)  Void(s) encountered  Cavern(s) encounter	Granted by  Verbal permission to pludepths I (Y/N) depths	g N

400	02062		Trook Ma	me I Iisia	a Truct		#41	ш	
API 47- 103	02962	Farm n	<sub>lame</sub> Tracy, Ma	ry J. Livir	ng i rust	We	ell number_#4	<b>л</b>	
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		Basket Depth(s)		circulate (Y/ N details below*
Conductor	24"	20"	90' KB / 80' GL	New	_	94 ppf	Depui(s)	N - GTS	
Surface	17.5"	13.375"	1109' KB / 1099' GL	New	J55 - 54.5 ppf		100' & 200'	<del></del>	Y - CTS
Coal	17.5"	13,375"	1109' KB / 1099' GL	New	+	J55 - 54.5 ppf 100' 8		+	Y - CTS
Intermediate 1	12.25*	9.625"	2399' KB / 2389' GL	New		36 ppf	100 0 200	<del></del>	Y - CTS
Intermediate 2	12,20					ос рр.		<del>                                     </del>	
Intermediate 3					<u> </u>			<del>                                     </del>	
Production								<del>                                     </del>	
Tubing			1		-			†	
Packer type and d	epth set			-			<u> </u>		
Comment Details	Circulated 35 bbls	cement to surface on t	the 13.375" casing string.	. Circulated 30	bbls cement to	o surface on (	the 9.625" casing stri	ing.	
CEMENT	Class/Type	Numb	er Slurry	,	Yield	Volume	e Cem	ent	WOC
DATA	of Cement	of Sac	•		t <sup>3</sup> /sks)	(fl. <sup>2</sup> )	Top (N		(hrs)
Conductor	Type 1	34	15.6		1.18	40	Surfa	ace	24+
Surface	Class A	865	15.6		1.18	1020	Surfa	ace	8
Coal	Class A	865	15.6		1.18	1020	Surfa	асе	8
Intermediate I	Class A	815	15.6		1.21	986	Surfa	ace	8
Intermediate 2									
Intermediate 3									
Production									
Tubing									
	t) 6409 MD / 6375' T ation penetrated ocedure				TD (ft) N/A to (ft)				
Kick off depth Check all wire	n (ft <u>) TBD - only top</u> eline logs run	hole drilled □ caliper □ neutron	□ density □ resistivity	■ deviat	ed/direction		induction temperature	□sonic	
Well cored	Yes No	Convent	ional Sidew	all	We	ere cutting	gs collected c	Yes 💷 ]	No
DESCRIBE T	HE CENTRAL	IZER PLACEM	ENT USED FOR	REACH C	ASING ST	RING S	Gurface casing has be	ow spring centra	lizers placed on
joints 2, 6, 10, 14, 18	and 22. Intermediate of	asing has bow spring ce	ntralizers placed on joints 4	, 8, 12, 16, 20, 2	24, 28, 32, 36 an	d 40.			
WAS WELL	COMPLETED	AS SHOT HOL	E □ Yes ■ ]	No Di	ETAILS _				
WAS WELL (	COMPLETED	OPEN HOLE?	□ Yes ■ No	DET	AILS				
	<del></del>								
WERE TRAC	ERS USED	Yes 🖪 No	TYPE OF TR	ACER(S)	USED				

API 47- 103 _ 02962	Farm name_Tracy, Mary J. Living Trust	Well number_#4H

## PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)

Please insert additional pages as applicable.

## STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
								-
					_			
		_						

Please insert additional pages as applicable.

API 47- 103	02962	Farm	<sub>name</sub> Tracy, N	lary J. Livin	g Trust	Well n	umber_	#4H		
PRODUCING I	FORMATION(	<u>S)</u>	<u>DEPTHS</u>							
Not yet complete	ed			TVD		MD				
Not yet producti	ng									
Please insert ad	ditional pages a	as applicable.				-				
GAS TEST	Action to the contract of the		□ Open Flow	Ol	L TEST 🗆	Flow 🗆	Pump			
SHUT-IN PRES	SSURE Surf	face	_psi Botto	om Hole	psi	DURAT	ION O	F TES	Т	hrs
OPEN FLOW	Gas	Oil	NGL	V	ater	GASM	EASII	DEDE	v	
OFENTEOW			bpd		bpd	□ Estim	ated	□ Ori	fice	□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD						NTITYAND , GAS, H <sub>2</sub> S, ETC)
Sandstone & Shale	0	904	0	904			Fresh w			, (3/15, 1125, 1210)
Coal	904	908	904	908						
Sandstone & Shale	908	1874	908	1874		1	lo salt w	ater rep	orted	
Little Lime	1874	1890	1874	1890						
Sandstone & Shale	1890	1980	1890	1980						
Big Lime	1980	2170	1980	2170						
Big Injun	2170	2255	2170	2255						
Sandstone & Shale	2255	2580	2255	2580						
Berea Sandstone	2580	2590	2580	2590						
Shale	2590	2776	2590	2776						
Gordon	2776	2800	2776	2800						
Undiff Devonian Shale	2800	6375	2800	6409						
Please insert ad										
Drilling Contra Address 900 Vir	ctor Highlands ginia Street - East	(top hole)	City	Charleston		State	WV	Zip	25301	
Logging Compa	any Scientific D	rilling (top hole)		Charleroi		G.	DΛ	7.	15022	
Address 124 Vis	La Dilve		City	Chaneror		State		_ Zip	15022	1
Cementing Con Address 121 Ch		on (top hole)	City	Canonsburg		State	PA	Zip	15317	
Stimulating Co.	mpany									
Address			City			State		_ Zip		
Please insert ad	ditional pages a	as applicable.								
Completed by	Greg Zofchak				Telephone	304-225-	1600			
Signature	Signature						Date 2	28/2017	7	
Submittal of Hy	draulic Fractur	ing Chemical	Disclosure Info	rmation A	attach copy o	of FRACE	ocus	Regist	try	